

FIG.1

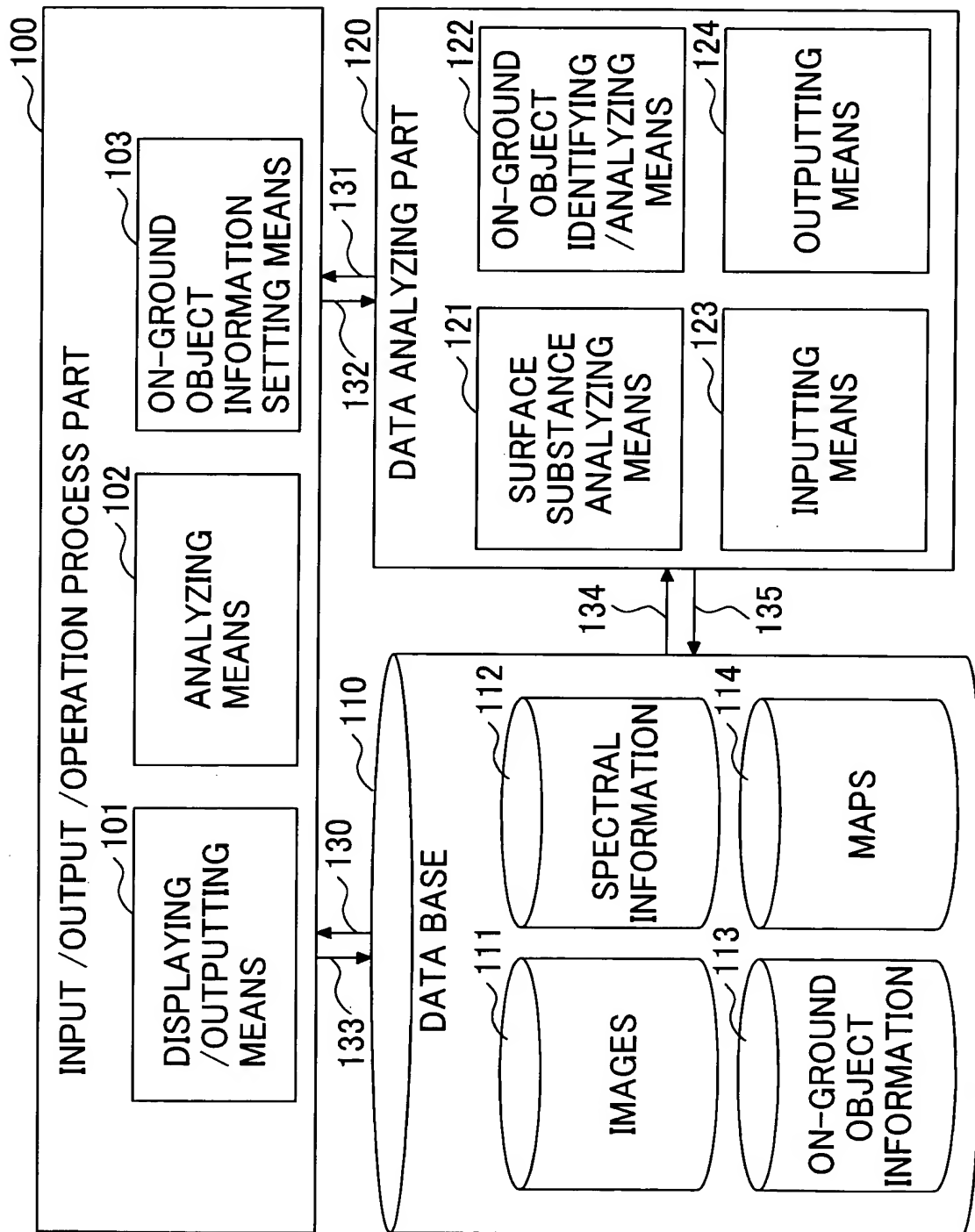


FIG.2

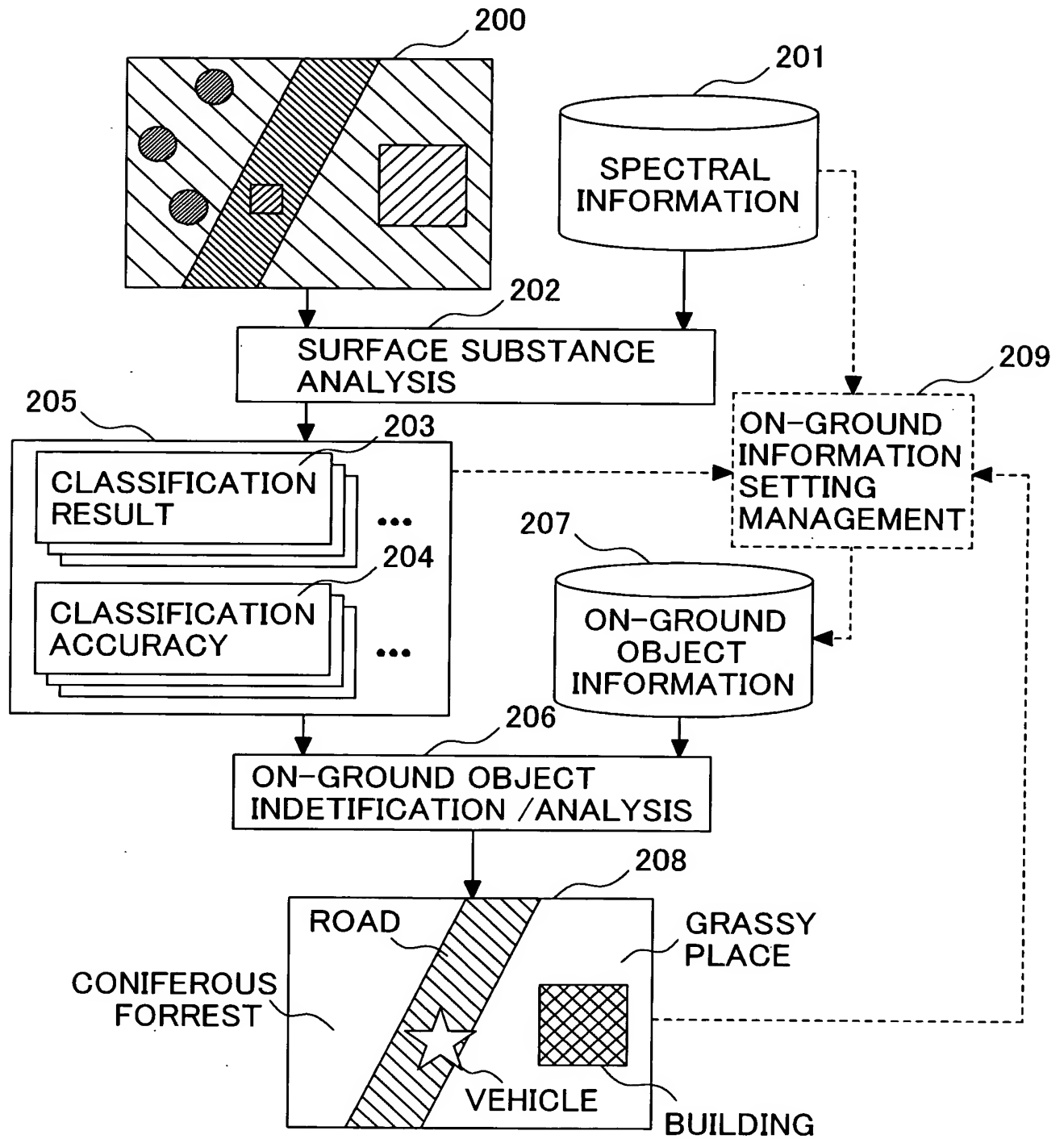


FIG.3

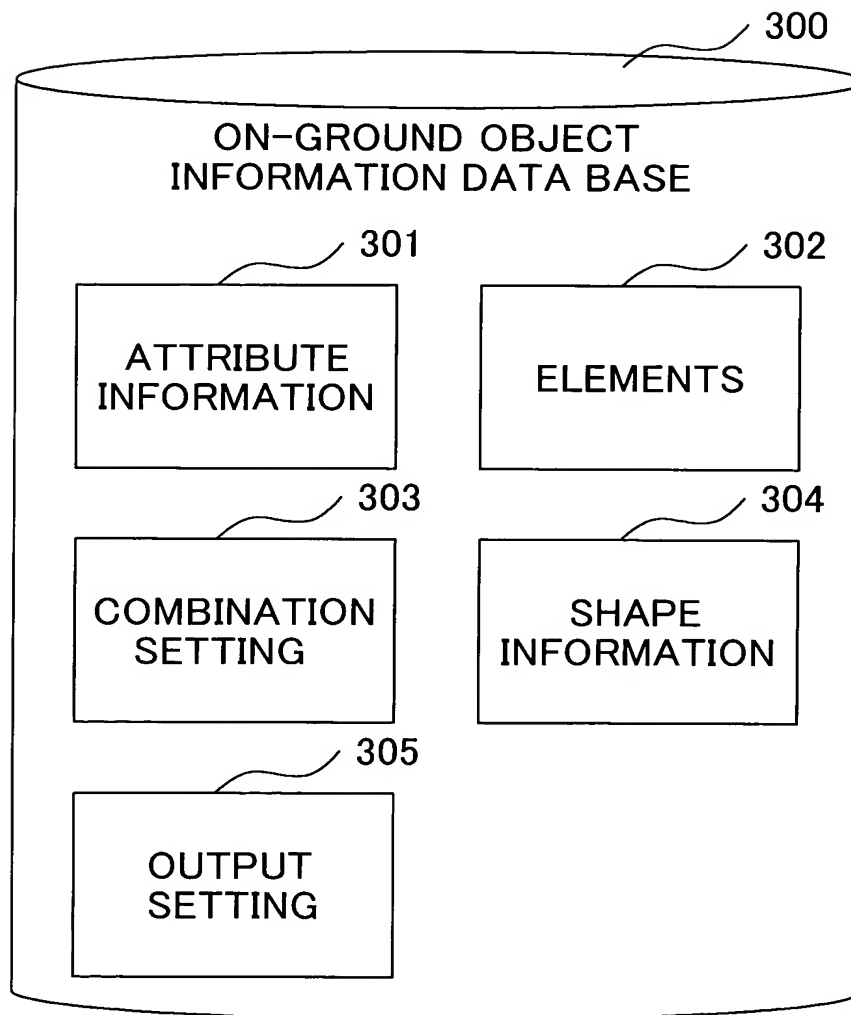


FIG.4

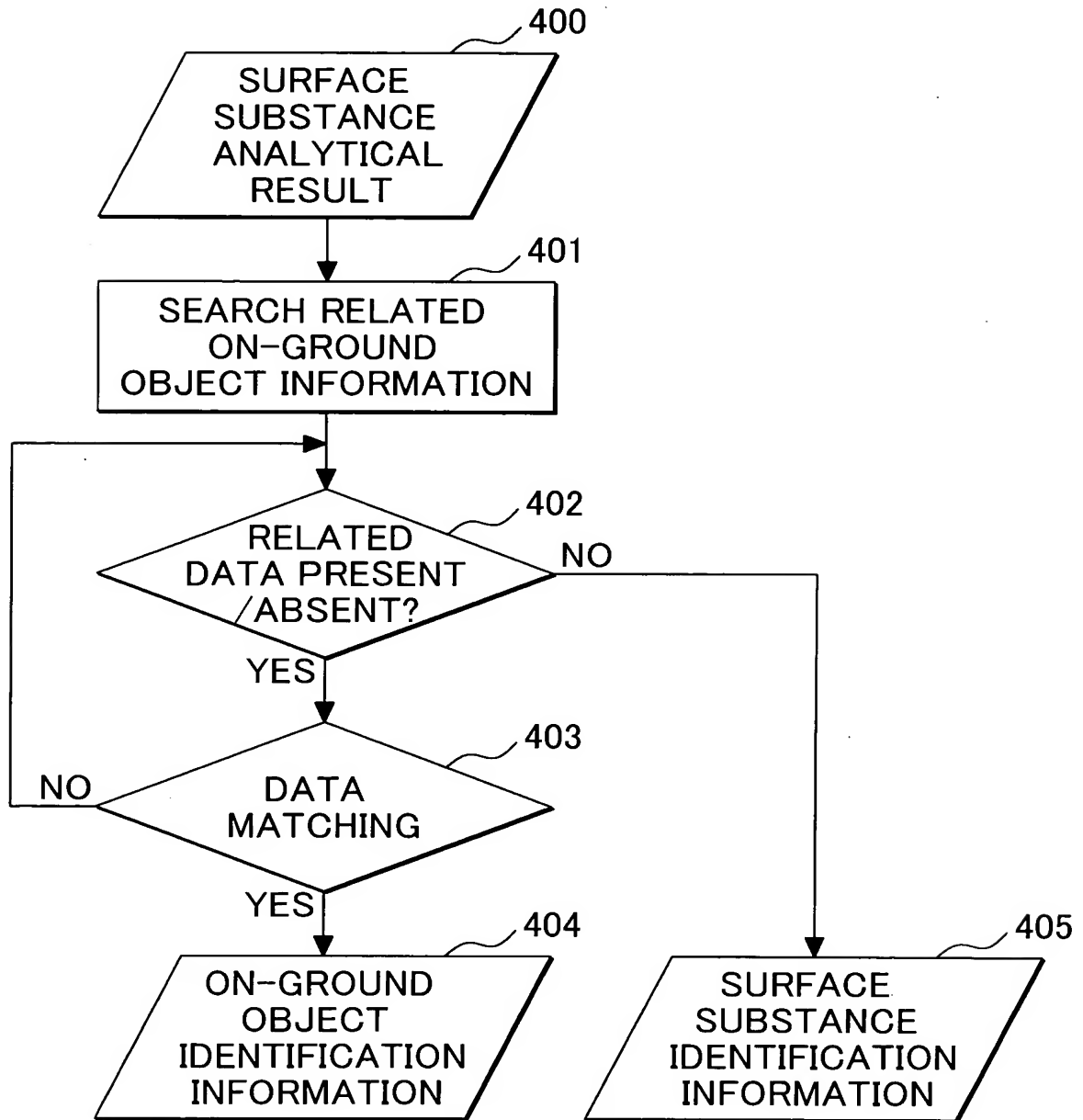
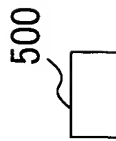


FIG.5A
MODEL



ON-GROUND OBJECT: VEHICLE
SURFACE SUBSTANCE: METAL

FIG.5B
PLURAL PIXELS

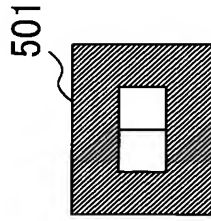
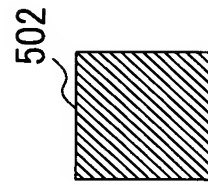


FIG.5C
IN A PIXEL



{ ASPHALT: 50%
METAL: 40%
OTHERS: 10%

FIG.5D
IN A PLURAL PIXELS & IN A PIXEL

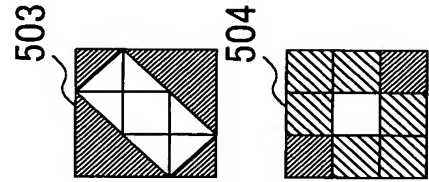


FIG.6A

SHAPE DETERMINATION

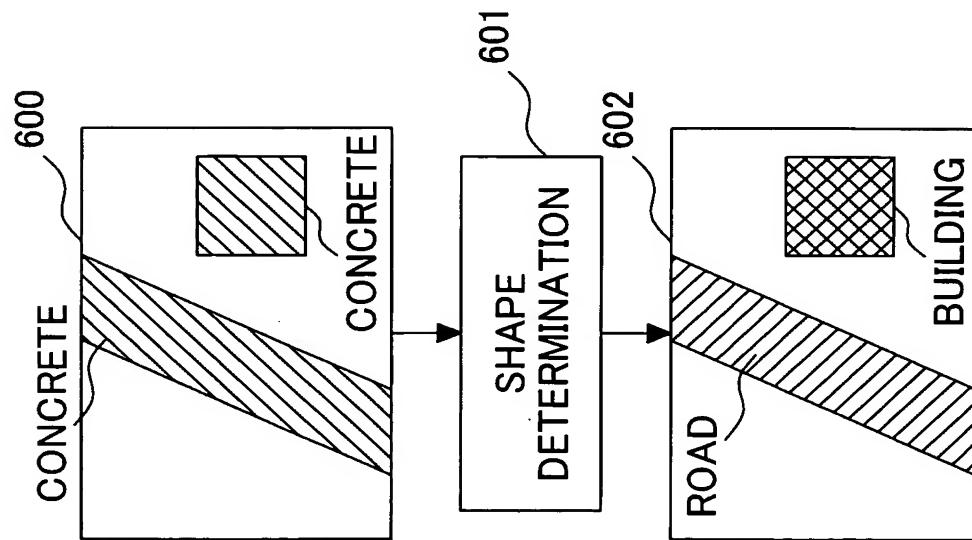


FIG.6B

CIRCUMSTANTIAL DETERMINATION

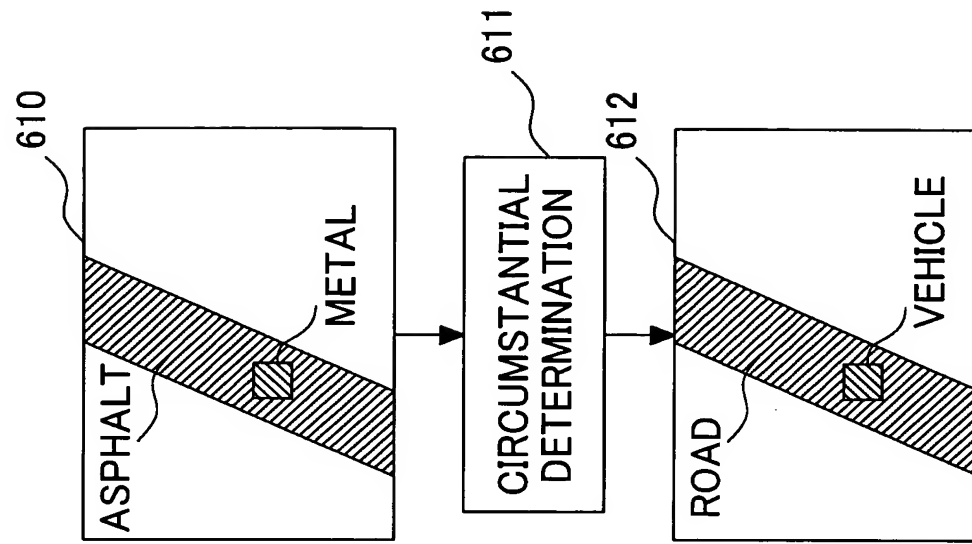


FIG.7A

DETAILED MAP

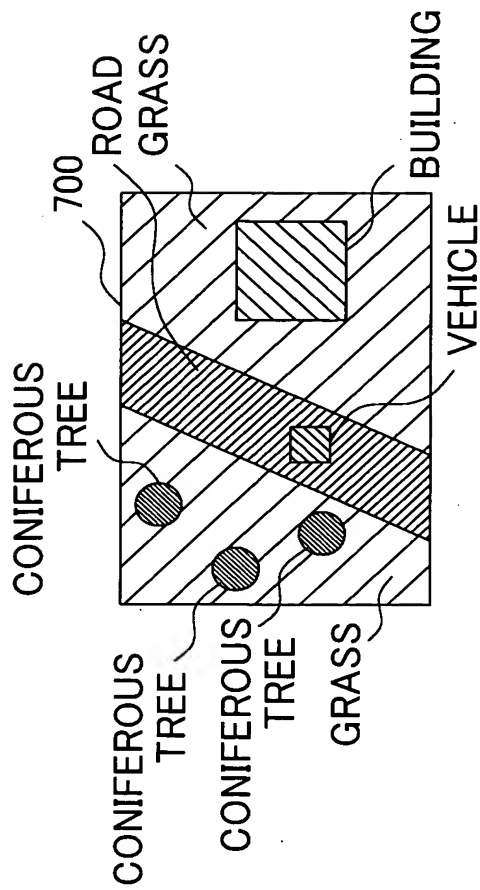


FIG.7B

SCHEMATIC MAP

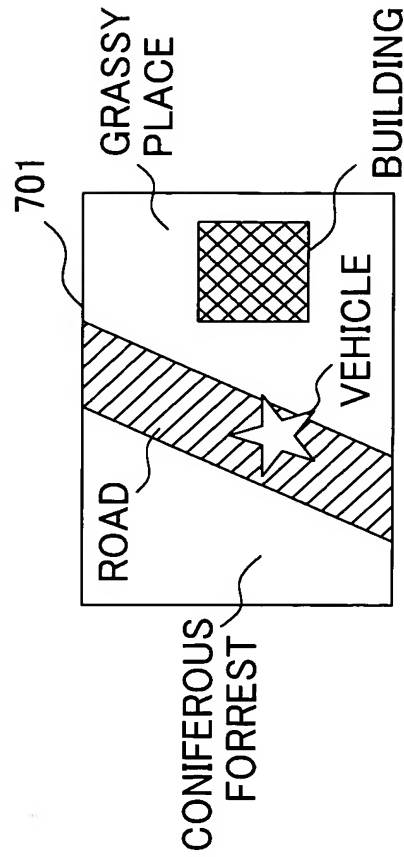


FIG.7C

SMALL-SCALE MAP

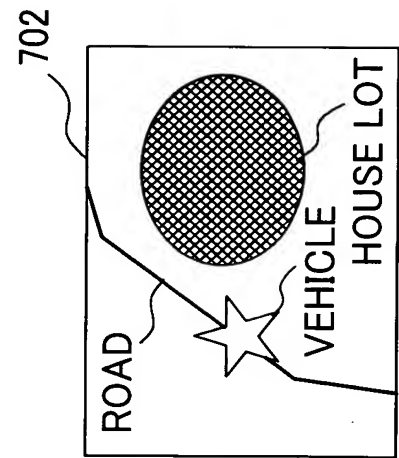


FIG.8

800

801 INDIVIDUAL SETTING

802 ALWAYS

803

LARGE-SCALE

803

MEDIUM-SCALE

803

SMALL-SCALE

NORMAL

SYMBOL

FULL DRAWING

EMPHASIS

⋮

OK

CANCEL

FIG.9

900

SORT KEY INFORMATION 901

☐ NAME

☒ LARGE CLASSIFICATION

☐ SMALL CLASSIFICATION

☐ DATA TYPE

⋮

903

COLLECTIVE OPERATION

ALL SELECT

ALL CANCEL

SPECTRAL INFORMATION 902

☐ ROCK

☒ WATER

☒ VEGETATION

☒ GRASS

☒ CONIFEROUS TREE

⋮

☐ ARTIFICIAL OBJECT

☒ ASPHALT

☐ CONCRETE

⋮

OK

CANCEL

FIG.10

1000

REGISTERED DATA TYPE 1001

☐ NAME
☒ LARGE CLASSIFICATION
☐ SMALL CLASSIFICATION
☐ DATA TYPE
:
☐ NEW REGISTRATION

REGISTERED DATA 1002

☐ VEGETATION
☐ ARTIFICIAL OBJECT
☒ ASPHALT
☐ CONCRETE
:
☐ NEW REGISTRATION

1003

NEW REGISTRATION
CHARACTER STRING

OK CANCEL

FIG.11

ON-GROUND OBJECT
INFORMATION (PRIORITY)

H

VEHICLE

BUILDING

ROAD

WATER AREA

GRASSY PLACE

CONIFEROUS FOREST

BROAD-LEAVED FOREST

NEW ADDITION

L

COMPONENTS

1 CONIFEROUS TREE

2 BROADLEAF TREE

3 GRASS

4 ROCK

5 SOIL

Others

SHAPE FEATURES

NO SPECIFICATION

ISOLATED

LINEAR / RECTANGULAR

PLANE

TEMPLATE

WIDTH

AREA

OK

CANCEL

FIG.12

1200

BACKGROUND COMPONENTS	1201	FOREGROUND COMPONENTS	1202	ADJACENT COMPONENTS	1203
ROAD ASPHALT CONCRETE GRASSY PLACE GRASS ⋮		VEHICLE METAL ARTIFICIAL OBJECT ⋮		VEHICLE METAL GRASS ARTIFICIAL OBJECT ⋮	
ADD		ADD		ADD	1204
		OK	CANCEL		

FIG.13A

TARGET EMPHASIS SETTING GUI

1300

1301

1303

TARGET OBJECTS

ROAD
BUILDING
CONIFEROUS FOREST
BROAD-LEAVED FOREST
MIXED FOREST
GRASSY PLACE
WATER AREA
VEHICLE
⋮

EMPHASIS ELEMENT SETTING

TYPE

☆
○
□
△
◇
⋮
NONE

COLOR

RED
YELLOW
GREEN
SKY BLUE
BLUE
⋮

EFFECT

NONE
BLINK
SHADE
SOLID
THICK LINE
⋮

ZOOM

NONE
FIXED SIZE
FIXED MAGNIFICATION
MAGNIFICATION FOR EACH SCALE
DATA DEPENDENCY
⋮

OK

CANCEL

FIG.13B

TARGET EMPHASIS SETTING GUI

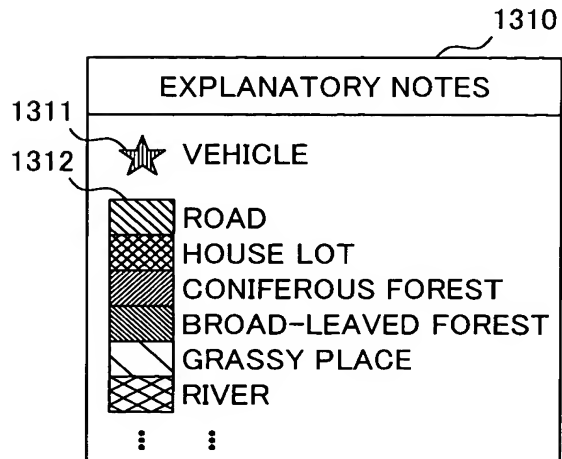


FIG.14A

TARGET RECOGNITION /CORRECTION OF MISREADING GUI

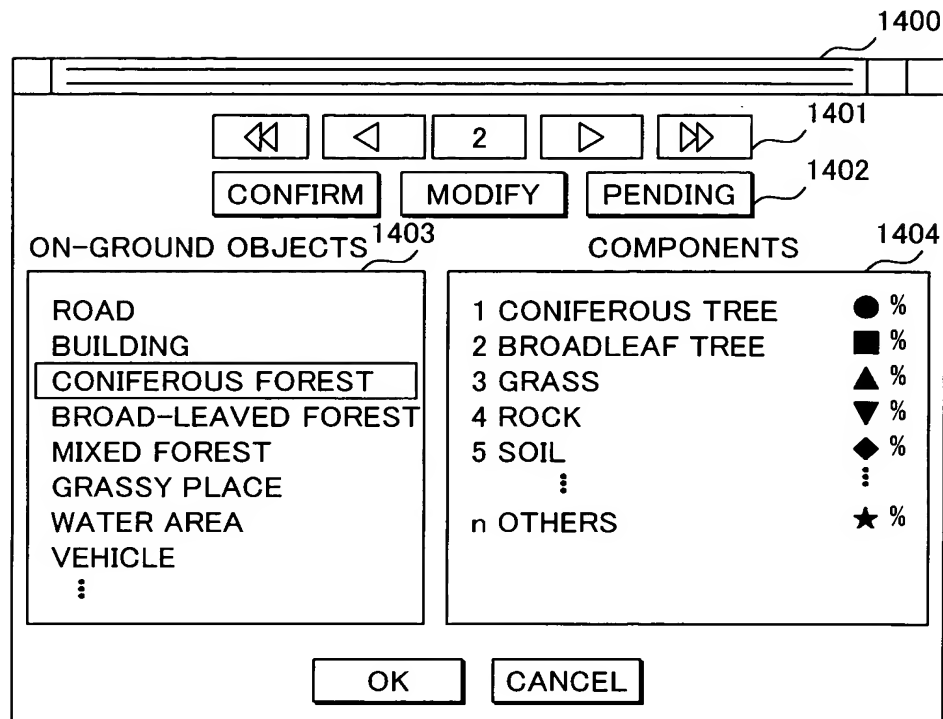


FIG.14B
RECOGNITION SCREEN

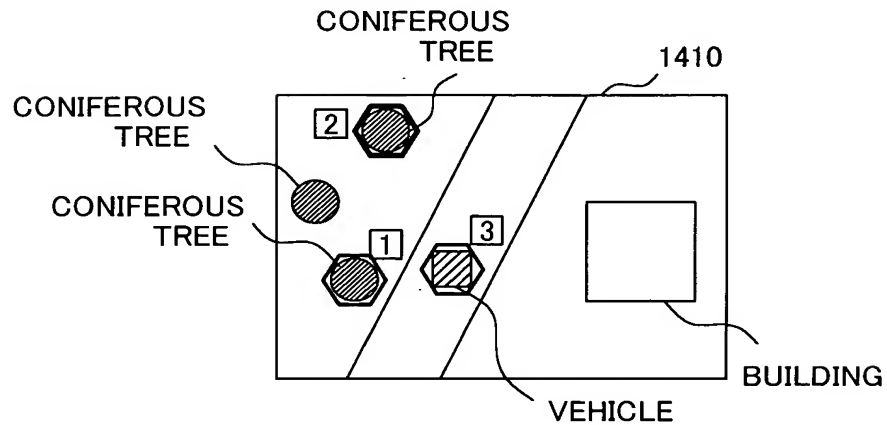


FIG.14C
EXPANDED RECOGNITION SCREEN

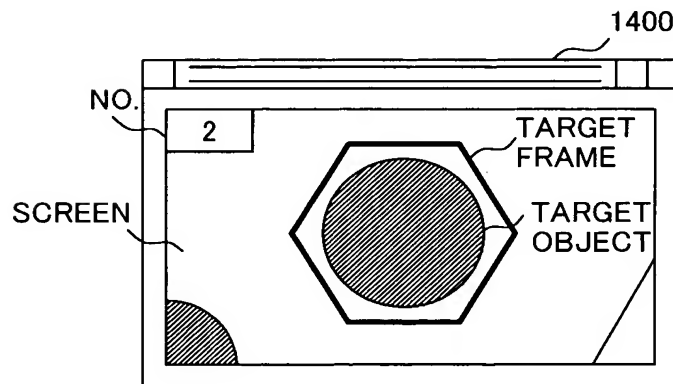


FIG.15

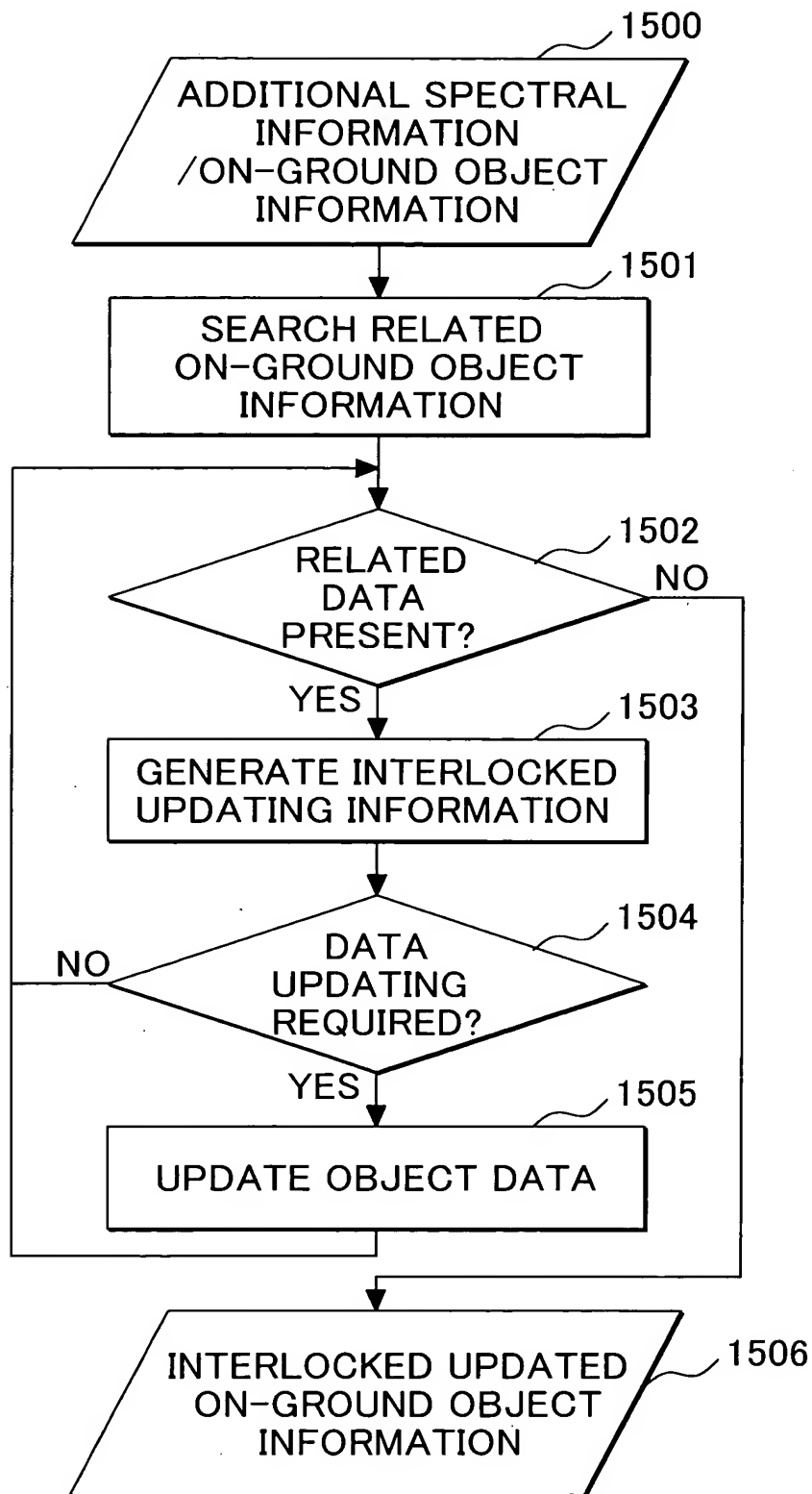


FIG.16

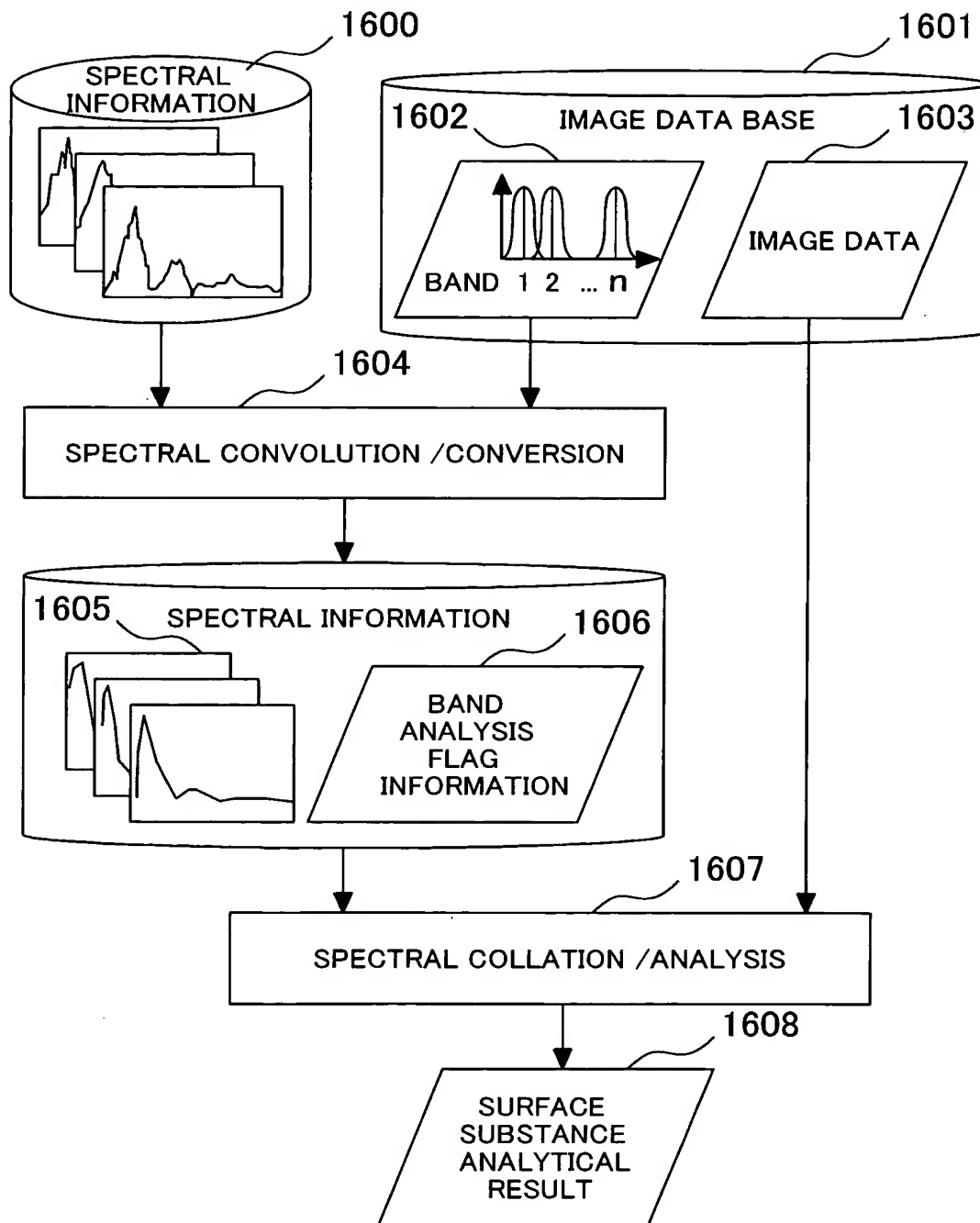


FIG.17

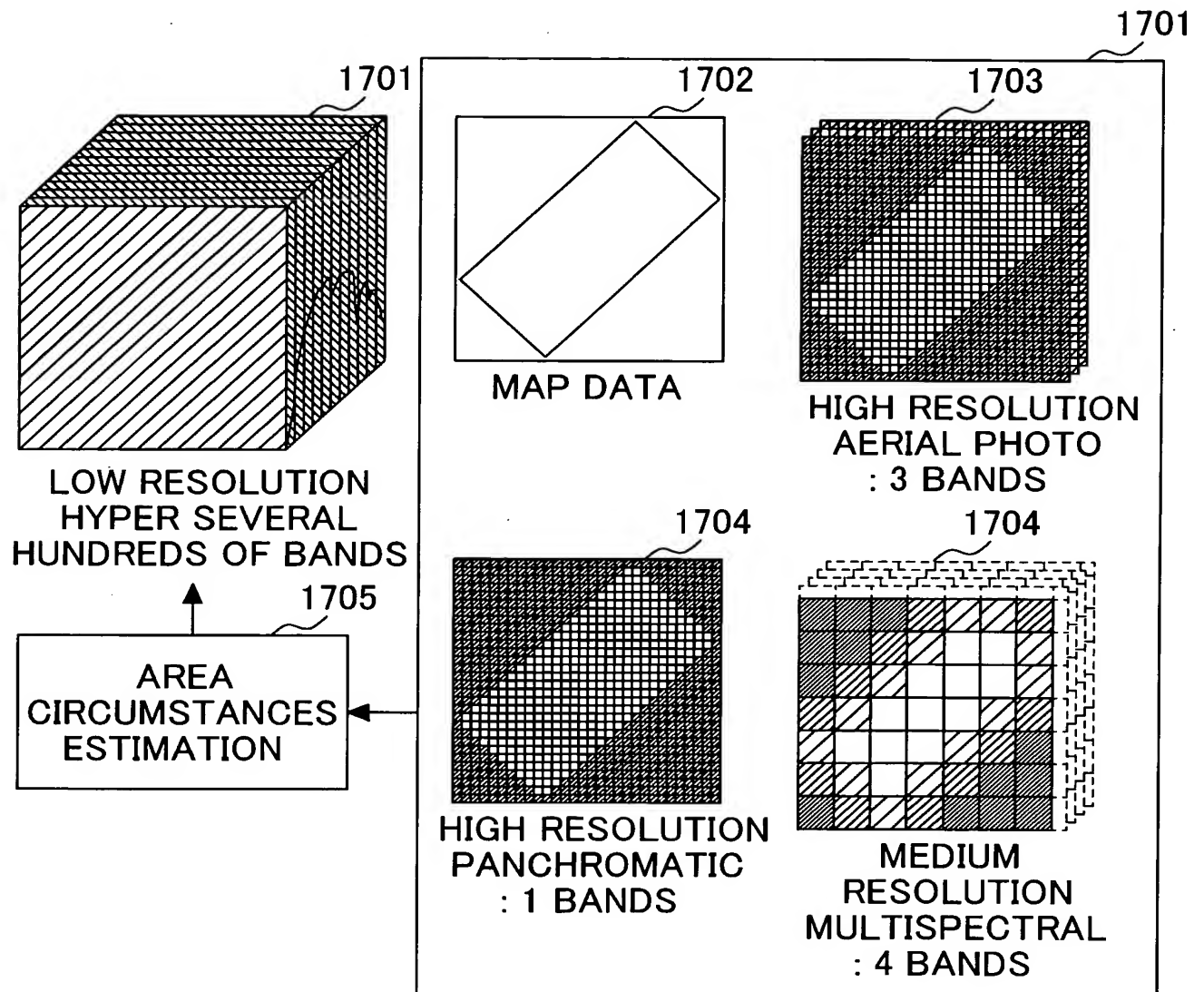


FIG.18

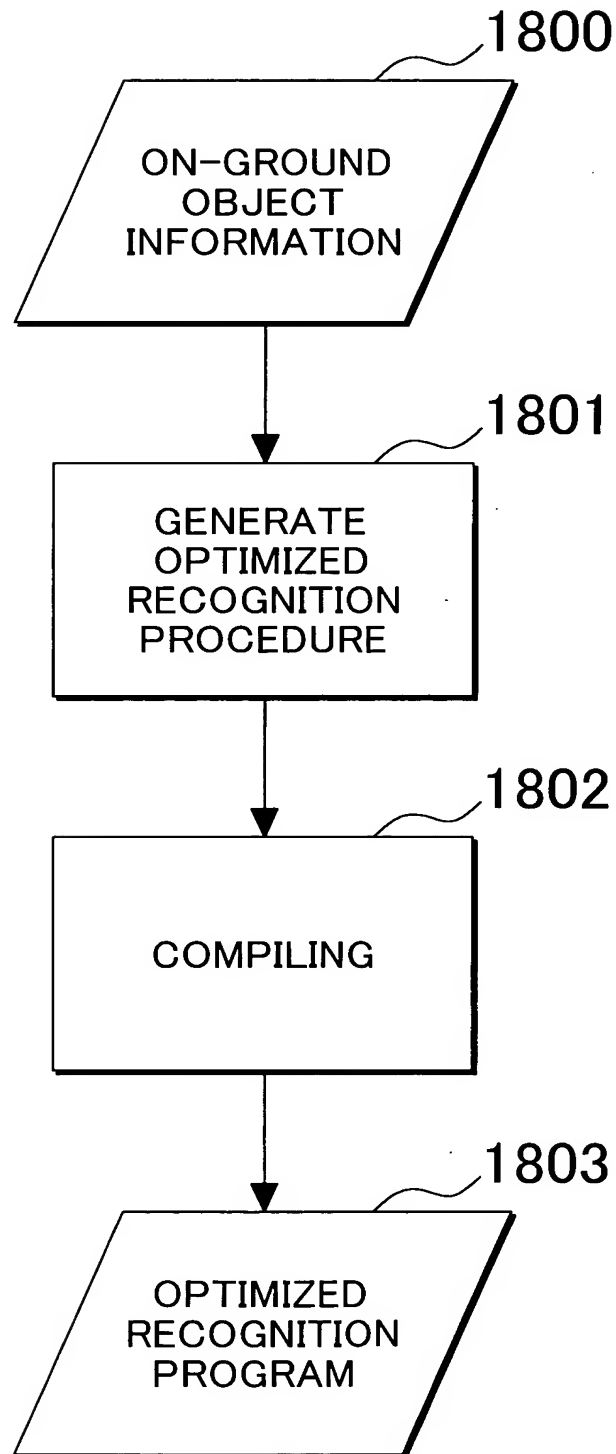


FIG.19

EXAMPLE OF NOTICE INTERFACE

1900

DETECTION NOTICE

THE TARGET ON-GROUND OBJECT HAS BEEN DETECTED IN THE AREA xxx MAPPING PROCESS. CHECK IT UP.

OK

FIG.19

DOCUMENT OUTPUT EXAMPLE

1901

MAPPING REPORT

DATE & TIME

THE FOLLOWING TARGET ON-GROUND OBJECTS HAVE BEEN DETECTED ON A MAP CREATED FROM IMAGES xx PHOTOGRAPHED ON (DATE & TIME).

EXPLANATORY NOTES

★ VEHICLE

ROAD

HOUSE LOT

CONIFEROUS FOREST

BROAD-LEAVED FOREST

GRASSY PLACE

RIVER

⋮

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HITA.0531

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FIG.20

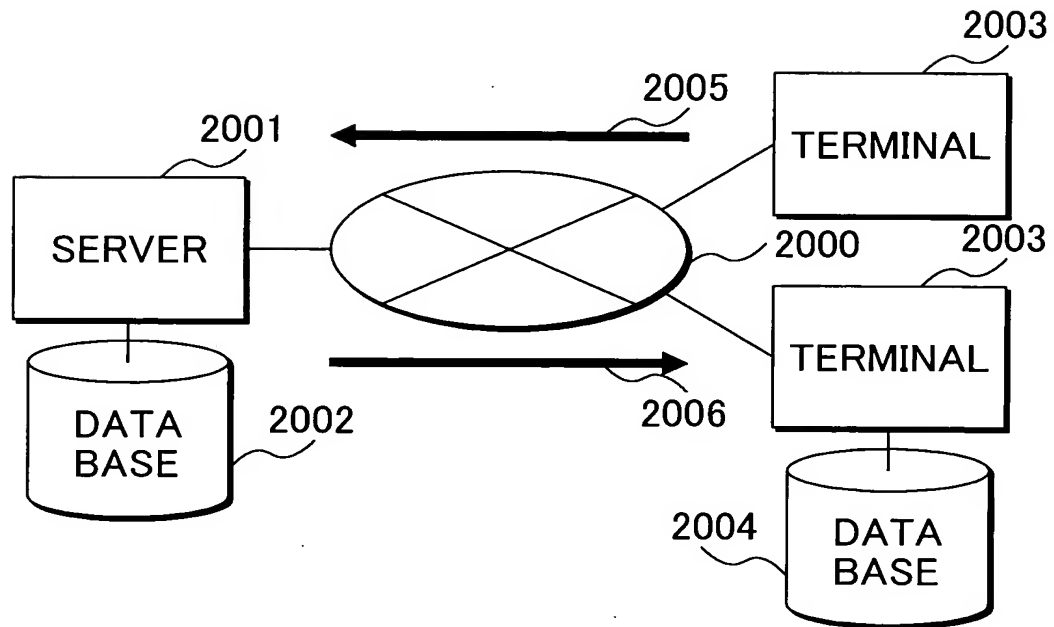


FIG.21A

SURFACE SUBSTANCE ANALYTICAL PROCESSING

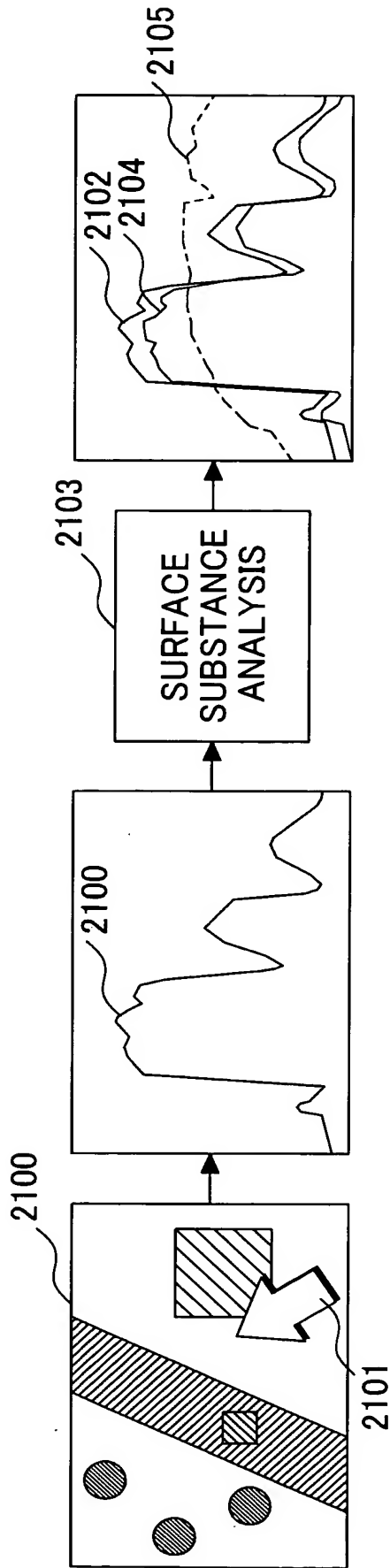


FIG.21B

LAND COVERAGE CLASSIFICATION MAPPING PROCESS

